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## CLAIMS:

1. A horizontal deflection circuit for driving red, blue and green horizontal deflection coils ( $L_{HG}$ ,  $L_{HB}$ ,  $L_{HR}$ ) of red, blue and green cathode ray tubes, respectively, in a projection television receiver, said horizontal deflection circuit comprising:

a high voltage (B+) supply;

a line inductance coil (T1) coupled on one side to receive the high voltage (B+) from the high voltage supply;

a switch (Q1) for selectively coupling another side of said line inductance coil (T1) to ground;

a parallel arrangement of a damping diode (D1) and a retrace capacitor ( $C_R$ ) coupled across said switch (Q1);

said red, green and blue deflection coils ( $L_{HG}$ ,  $L_{HB}$ ,  $L_{HR}$ ) each having a first end coupled to said another side of said line inductance coil (T1) and a second end; and

capacitance means ( $C_S$ ,  $C_1$ ,  $C_2$ ) for coupling said second ends of said red, green and blue deflection coils ( $L_{HG}$ ,  $L_{HR}$ ) to ground,

wherein said horizontal deflection circuit further comprises a circuit for effecting horizontal centering of display rasters generated by said red, green and blue cathode ray tubes, said horizontal centering circuit comprising:

an inductance coil (L4) having a first end and a second end;

means for coupling the first end of said inductance coil to said another side of said line inductance coil (T1);

a series arrangement of a first and second diode (D4, D5) interconnecting the second ends of said red and blue deflection coil  $(L_{HB}, L_{HR})$ , a junction point between said first and second diodes (D4, D5) being connected to the second end of said inductance coil (L4); and

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said capacitance means having capacitor means  $(C_1,\ C_2)$  for coupling the second ends of at least said red and blue deflection coils  $(L_{HB},\ L_{HR})$  to a connection node, and S-shaping capacitor means  $(C_S)$  for coupling said deflection node to ground.

- 2. The horizontal deflection circuit as claimed in claim 1, wherein said capacitance means comprises a first capacitor ( $C_1$ ) connecting the second end of said blue deflection coil ( $L_{HB}$ ) to said connection node, a second capacitor ( $C_2$ ) connecting the second end of said red deflection coil ( $L_{HR}$ ) to said connection node, and an S-shaping capacitor ( $C_5$ ) for connecting said connection node to ground.
- 3. The horizontal deflection circuit as claimed in claim 1, wherein said capacitance means comprises a first capacitor ( $C_{S2}$ ) connecting the second end of said blue deflection coil ( $L_{HB}$ ) to said connection node, a second capacitor ( $C_{S3}$ ) connecting the second end of said red deflection coil ( $L_{HR}$ ) to said connection node, and a third capacitor ( $C_{S1}$ ) connecting the second end of said green deflection coil ( $L_{HG}$ ) to said connection node, said connection node then being connected to ground, wherein said first, second and third capacitors ( $C_{S2}$ ,  $C_{S3}$ ,  $C_{S1}$ ) include said S-shaping capacitor means ( $C_{S1}$ ), have equal values and are each equal to one-third of a capacitance value of said S-shaping capacitor means ( $C_{S1}$ ).
- 4. The line deflection circuit as claimed in claim 1, wherein said coupling means comprises:

said line inductance coil (T1') being formed with a center tapping, said first end of said inductance coil (L4) being connected to said center tapping.

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5. The line deflection circuit as claimed in claim 4, wherein said capacitance means comprises a first capacitor  $(C_1)$  connecting the second end of said blue deflection coil  $(L_{HB})$  to said connection node, a second capacitor  $(C_2)$  connecting the second end of said red deflection coil  $(L_{HR})$  to said connection node, and an S-shaping capacitor  $(C_S)$  for connecting said connection node to ground.

6. The horizontal deflection circuit as claimed in claim 4, wherein said capacitance means comprises a first capacitor ( $C_{S2}$ ) connecting the second end of said blue deflection coil ( $L_{HB}$ ) to said connection node, a second capacitor ( $C_{S3}$ ) connecting the second end of said red deflection coil ( $L_{HR}$ ) to said connection node, and a third capacitor ( $C_{S1}$ ) connecting the second end of said green deflection coil ( $L_{HG}$ ) to said connection node, said connection node then being connected to ground, wherein said first, second and third capacitors ( $C_{S2}$ ,  $C_{S3}$ ,  $C_{S1}$ ) include said S-shaping capacitor means ( $C_{S1}$ ), have equal values and are each equal to one-third of a capacitance value of said S-shaping capacitor means ( $C_{S1}$ ).